



(19) **RU** ⁽¹¹⁾ **2 136 069** ⁽¹³⁾ **C1**
 (51) Int. Cl.⁶ **H 01 F 1/057**

RUSSIAN AGENCY
 FOR PATENTS AND TRADEMARKS

(12) **ABSTRACT OF INVENTION**

(21), (22) Application: 98116369/02, 03.09.1998

(46) Date of publication: 27.08.1999

(98) Mail address:
 117485, Moskva, ul. Miklukho-Maklaja, d.29,
 korp. 1, kv.297, Savichu A.N.

(71) Applicant:
 Savich Aleksandr Nikolaevich,
 Piskorskij Vadim Petrovich

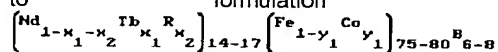
(72) Inventor: Savich A.N.,
 Piskorskij V.P.

(73) Proprietor:
 Savich Aleksandr Nikolaevich,
 Piskorskij Vadim Petrovich

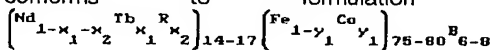
(54) **MAGNETIC MATERIAL**

(57) Abstract:

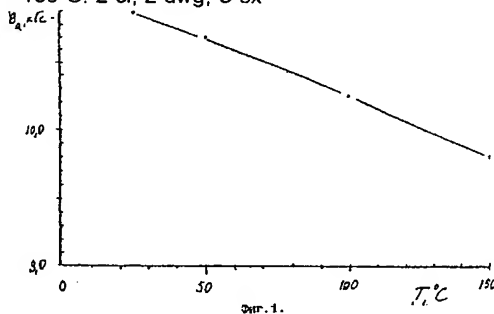
FIELD: powder metallurgy, in particular, materials with specific physical characteristics. SUBSTANCE: magnetic material contains Fe-B-Co-R, where R is sum of rare-earth elements. Composition conforms to



, where R is at least one element from group of dysprosium (Dy), holmium (Ho), erbium (Er), thulium (Tm), and $x_1+x_2=0,1-0,99, x_1/x_2 \geq 0,10, Y_1=0,2-0,5$. In addition magnetic material contains at least one element from group of aluminum (Al), gallium (Ga), titan (Ti), niobium (Nb), molybdenum (Mo). Chemical composition conforms to



, where T is at least one element from group of aluminum (Al), gallium (Ga), titan (Ti), niobium (Nb), molybdenum (Mo), Y_2 is in range of 0.01-10 % of atomic weight. EFFECT: increased temperature stability, temperature inductance rate is in range of +0.05 to -0.08%/C in temperature range from -60 to +150 C. 2 cl, 2 dwg, 3 ex



BEST AVAILABLE COPY

RU 2136069 C1

RU 2136069 C1